

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application : Mathias Färnegårdh, Tomas Bonn, Sherry Sun, Jan Ljunggren, Harri Ahola, and Mats Carlquist
Serial No. : 10/540,612
Filed : June 23, 2005
For : CRYSTALLINE LIVER X RECEPTOR BETA PROTEIN
Examiner :
Attorney Docket : 102769-102
Group Art Unit :
Confirmation No. : 9118
Customer No. : 27267

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on 09 AUG 2006.

By Todd E. Garabedian
Todd E. Garabedian, Ph.D.
Registration No. 39,197
Attorney for Applicants

INFORMATION DISCLOSURE LETTER

Mail Stop Amendment
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Sir:

The undersigned represents that the closest art of which he is presently aware has been cited herein and understands that this statement shall not be construed as a representation that no better art exists or that a thorough patentability search has been made.

The undersigned further represents that the filing of this Information Disclosure Statement shall not be construed to be an admission that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

1. United States Patent Application Publication No. US 2004/0018560 A1 (BLEDSOE, RANDY K., ET AL.) 29 January 2004 (2004-01-29).
2. United States Patent No. 5,939,322 (RODAN, GIDEON A., ET AL.) 17 August 1999 (1999-08-17).
3. FÄRNEGÅRDH, MATHIAS, ET AL: *The Three-dimensional Structure of the Liver X Receptor β Reveals a Flexible Ligand-binding Pocket That Can Accommodate Fundamentally Different Ligands*, THE JOURNAL OF BIOLOGICAL CHEMISTRY, Vol. 278, No. 40, Pages 38821-38828 (October 3, 2003).
4. WILLIAMS, SHAWN, ET AL: *X-ray Crystal Structure of the Liver X Receptor β Ligand Binding Domain*, THE JOURNAL OF BIOLOGICAL CHEMISTRY, Vol. 278, No. 29, Pages 27138-27143 (July 18, 2003).
5. HOERER, STEFAN, ET AL.: *Crystal Structure of the Human Liver X Receptor β Ligand-binding Domain in Complex with a Synthetic Agonist*, THE JOURNAL OF MOLECULAR BIOLOGY, Vol. 334, No. 3, Pages 853-861 (December 12, 2003).
6. CRONET, PHILIPPE, ET AL.: *Structure of the PPAR α and γ Ligand Binding domain in Complex with AZ 242; Ligand Selectivity and Agonist Activation in the PPAR Family*, ELSEVIER SCIENCE LTD., Vol. 9, Pages 699-706 (August, 2001).
7. DATABASE UNIPROT (Online): Retrieved from EBI, Database accession no. P55055 Uniprot, XP002289057, 100% identity in 461aa overlap with SEQ ID NO 1 Abstract (October 1, 1996).
8. SHINAR, DORON M., ET AL.: *NER, a new member of the gene family encoding the human steroid hormone nuclear receptor*, ELSEVIER SCIENCE B.V., Vol. 147, Pages 273-276 (1994).
9. URBAN, FRANK JR., ET AL.: *The important role of residue F268 in ligand binding by LXR β* , Federation of European Biochemical Societies, Published by ELSEVIER SCIENCE B.V., Vol. 484, Pages 159-163 (2000).
10. LOVE, JAMES D., ET AL.: *The Structural Basis for the Specificity fo Retinoid-X receptor-selective Agonists: New Insights Into the Role of Helix H12*, THE JOURNAL OF BIOLOGICAL CHEMISTRY, Vol. 277, No. 13, Pages 11385-11391 (March 29, 2002).

Applicants submit that copies of the above-cited references are enclosed herewith.

If the Examiner has any questions or feels that a discussion with Applicants' representative would expedite prosecution, the Examiner is invited and encouraged to contact Applicants' undersigned representative at the telephone number listed below.

Respectfully submitted,

MATHIAS FÄRNEGÅRDH, ET AL.

Date: 09 AUG 2006

By: Todd E. Garabedian

Todd E. Garabedian, Ph.D.

Registration No. 39,197

Attorney for Applicant(s)

WIGGIN AND DANA LLP

One Century Tower

P. O. Box 1832

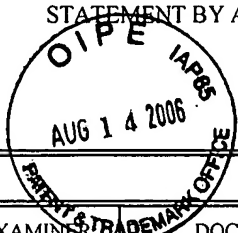
New Haven, CT 06508-1832

Telephone: (203) 498-4400

Fax: (203) 782-2889

\\10706\\100\\53594.1

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT BY APPLICANT 		ATTY. DOCKET NO. 102769-102		SERIAL NO. 10/540,612		
		APPLICANT: MATHIAS FÄRNEGÅRDH, ET AL.				
		FILING DATE: JUNE 23, 2005		GROUP:		
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL*	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROP.
	2004/0018560 A1	01/29/2004	Bledsoe, Randy K., et al.	G01N	33/53	
	5,939,322	08/17/1999	Rodan, Gideon A., et al.	C12N	15/12	
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION Yes No
OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)						
	FÄRNEGÅRDH, MATHIAS, ET AL.: <i>The Three-dimensional Structure of the Liver X Receptor β Reveals a Flexible Ligand-binding Pocket That Can Accommodate Fundamentally Different Ligands</i> , THE JOURNAL OF BIOLOGICAL CHEMISTRY, Vol. 278, No. 40, Pages 38821-38828 (October 3, 2003).					
	WILLIAMS, SHAWN, ET AL.: <i>X-ray Crystal Structure of the Liver X Receptor β Ligand Binding Domain</i> , THE JOURNAL OF BIOLOGICAL CHEMISTRY, Vol. 278, No. 29, Pages 27138-27143 (July 18, 2003).					
	HOERER, STEFAN, ET AL.: <i>Crystal Structure of the Human Liver X Receptor β Ligand-binding Domain in Complex with a Synthetic Agonist</i> , THE JOURNAL OF MOLECULAR BIOLOGY, Vol. 334, No. 3, Pages 853-861 (December 12, 2003).					
	CRONET, PHILIPPE, ET AL.: <i>Structure of the PPARα and $-\gamma$ Ligand Binding domain in Complex with AZ 242; Ligand Selectivity and Agonist Activation in the PPAR Family</i> , ELSEVIER SCIENCE LTD., Vol. 9, Pages 699-706 (August, 2001).					
	DATABASE UNIPROT (Online): Retrieved from EBI, Database accession no. P55055 Uniprot, XP002289057, 100% identity in 461aa overlap with SEQ ID NO 1 Abstract (October 1, 1996).					
	SHINAR, DORON M., ET AL.: <i>NER, a new member of the gene family encoding the human steroid hormone nuclear receptor</i> , ELSEVIER SCIENCE B.V., Vol. 147, Pages 273-276 (1994).					
	URBAN, FRANK JR., ET AL.: <i>The important role of residue F268 in ligand binding by LXRβ</i> , Federation of European Biochemical Societies, Published by ELSEVIER SCIENCE B.V., Vol. 484, Pages 159-163 (2000).					
	LOVE, JAMES D., ET AL.: <i>The Structural Basis for the Specificity fo Retinoid-X receptor-selective Agonists: New Insights Into the Role of Helix H12</i> , THE JOURNAL OF BIOLOGICAL CHEMISTRY, Vol. 277, No. 13, Pages 11385-11391 (March 29, 2002).					
EXAMINER:			DATE CONSIDERED:			
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \10706\100\53595.1						